

## SEQUENCE LISTING

## (1) General information:

(ii) Title of invention: NEW HUMAN HEPATOMA-DERIVED GROWTH FACTOR ENCODING SEQUENCE AND POLYPEPTIDE ENCODED BY SUCH DNA SEQUENCE AND PRODUCING METHOD THEREOF

(iii) Number of Sequences: 8

## (2) INFORMATION FOR SEQ ID NO: 1:

## (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 23bp

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

ACCGCTCGTC CGCCCGGCTT GAG 23

## (2) INFORMATION FOR SEQ ID NO: 2:

## (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 26bp

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

GATCCTAGAC ATGTATAAGT CTGGC 26

## (2) INFORMATION FOR SEQ ID NO: 3:

## (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 1024bp

(B) TYPE: nucleic acid

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

1 ACCGCTCGTC CGCCCGGCTT GAGGCCGCG GGGAGCGCG GCAATTCGTC GGCCCGCGGG  
61 GGGGCGGCCT CCCGGCATCT TCGCGCCGAC CAAGGACTAC CAGGAAGGGG AGCGGCTGGG  
121 ATGGCGCGTC CGCGGCCCG CGAGTACAAA GCGGGCGACC TGGTCTTCGC CAAGATGAAG  
181 GGCTACCCGC ACTGGCCGGC CCGGATTGAT GAACTCCCAG AGGGCGCTGT GAAGCCTCCA  
241 GCAAACAAGT ATCCTATCTT CTTTTTTGGC ACCCATGAAA CTGCATTTCT AGGTCCCAAA  
301 GACCTTTTTC CATATAAGGA GTACAAAGAC AAGTTTGAA AGTCAAACAA ACGGAAAGGA  
361 TTTAACGAAG GATTGTGGGA AATAGAAAAT AACCCAGGAG TAAAGTTTAC TGGCTACCAG  
421 GCAATTCAGC AACAGAGCTC TTCAGAAAAT GAGGGAGAAG GTGGAAATAC TGCAGATGCA  
481 AGCAGTGAGG AAGAAGGTGA TAGAGTAGAA GAAGATGGAA AAGGCAAAAG AAAGAATGAA  
541 AAAGCAGGCT CAAAACGGAA AAAGTCATAT ACTTCAAAGA AATCCTCTAA ACAGTCCCGG  
601 AAATCTCCAG GAGATGAAGA TGACAAAGAC TGCAAAGAAG AGGAAAACAA AAGCAGCTCT  
661 GAGGTGGAG ATGCGGGCAA CGACACAAGA AACACAATT CAGACTTGCA GAAAACCACT  
721 GAAGGGACCT AACTACCATA ATGAATGCTG CATATTAAGA GAAACCACAA GAAGTTTATA  
781 TGTTTGGTTG TCTAATATTC TTGGATTGTA TATGAACCAA CACATAGTCC TTGTTGTCAT  
841 TGACAGAACC CCAGTTTGTA TGTACATTAT TCATATTCCT CTCTGTTGTG TTTCGGGGGG  
901 AAAAGACATT TAGCCTTTT TAAAAGTTA CTGATTTAAT TTCATGTTAT TTGGTTGCAT

961 GAAGTTGCCCTTAACCACTA AGGATTATCA AGATTTTTCG GCAGACTTAT ACATGTCTAG  
1021 GATC

(2) INFORMATION FOR SEQ ID NO: 4:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 203 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: lineal

(ii) MOLECULE TYPE: polypeptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

1 Met Ala Arg Pro Arg Pro Arg Glu Tyr Lys Ala Gly Asp Leu Val  
16 Phe Ala Lys Met Lys Gly Tyr Pro His Trp Pro Ala Arg Ile Asp  
31 Glu Leu Pro Glu Gly Ala Val Lys Pro Pro Ala Asn Lys Tyr Pro  
46 Ile Phe Phe Phe Gly Thr His Glu Thr Ala Phe Leu Gly Pro Lys  
61 Asp Leu Phe Pro Tyr Lys Glu Tyr Lys Asp Lys Phe Gly Lys Ser  
76 Asn Lys Arg Lys Gly Phe Asn Glu Gly Leu Trp Glu Ile Glu Asn  
91 Asn Pro Gly Val Lys Phe Thr Gly Tyr Gln Ala Ile Gln Gln Gln  
106 Ser Ser Ser Glu Thr Glu Gly Glu Gly Gly Asn Thr Ala Asp Ala  
121 Ser Ser Glu Glu Glu Gly Asp Arg Val Glu Glu Asp Gly Lys Gly  
136 Lys Arg Lys Asn Glu Lys Ala Gly Ser Lys Arg Lys Lys Ser Tyr  
151 Thr Ser Lys Lys Ser Ser Lys Gln Ser Arg Lys Ser Pro Gly Asp  
166 Glu Asp Asp Lys Asp Cys Lys Glu Glu Glu Asn Lys Ser Ser Ser  
181 Glu Gly Gly Asp Ala Gly Asn Asp Thr Arg Asn Thr Thr Ser Asp  
196 Leu Gln Lys Thr Ser Glu Gly Thr

(2) INFORMATION FOR SEQ ID NO: 5:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 29bp

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

CCACGGATCC ATGCGCGTC CGCGGCCCC 29

(2) INFORMATION FOR SEQ ID NO: 6:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 29bp

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

ATCCGTCGAC TTAGGTCCT TCACTGGTT 29

(2) INFORMATION FOR SEQ ID NO: 7:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 29bp

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

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(ii) MOLECULAR TYPE: oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

CCCTAAGCTT ATGGGCGTC CGCGGCCCC 29

(2) INFORMATION FOR SEQ ID NO: 8:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 29bp

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

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(ii) MOLECULAR TYPE: oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:

TTTCGGATCC TTAGGTCCT TCACTGGTT 29

09787328.031601